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NOTES

- All dimensions are to be checked on site before the commencement of works. Any discrepancies are to be reported to the Architect & Engineer for verification.
- The DWG file is issued for the purposes of coordination only and do not represent formal drawing issue and are not to be reprinted in any form. Formal issue of drawings is via DWG, Adobe PDF files and/or hard copies and their associated information issue sheets.
- Note that all care has been taken with the export of DWG files and their content, but we recommend that you make due dimensional checks before using any DWG file information. Any errors found are to be reported to Stantec immediately.
- Levels shown in metres above Ordnance Datum (mAOD).
- All private drainage to comply with current Building Regulations, BS EN-752 Drain and Sewer systems outside Buildings and other relevant British Standards and Codes of Practices.
- Drainage pipeline tolerance to be in accordance with the CESW1 (Civil Engineering Specification for the Water Industries). Any deviations in excess of this, engineer to be contacted.
- All external drainage within trafficked areas with less than 1.2m cover to have type Z concrete bed and surround. All external drainage within landscaped areas with cover less than 0.6m to have type Z concrete bed and surround. All PVCu drainage with greater cover than the minimum required to have type P bed and surround.
- All drainage to be laid soffit to soffit unless otherwise shown.
- The Contractor is to verify the line, level and diameter of existing sewers before commencing drainage works.
- All foul drainage to be minimum 100mm diameter, all surface water drainage to be minimum 100mm diameter unless otherwise shown.
- Cover levels shown on this drawing refer to approximate surface levels. It is the contractors responsibility to ensure that access covers and frames are set at the final surface levels.
- Where possible the contractor is to orientate manhole biscuits and covers to locate them parallel to kerbs and paving.
- The Contractor should comply with hsl(g) 47 'Avoiding Danger from Underground Services' when excavating around existing services.
- Where Tree Protection Zones (TPZ) are present, the contractor is to allow for either trenchless installation or hand dig to all drainage within the extent, in accordance with NJUG (2007) guidelines.
- If the contractors responsibility to determine the location and depth of all existing services, mains and cables prior to construction.
- Contractor to provide temporary screens in each of the down stream manholes during the construction period of the development in accordance with DCG-Section B5.2.23 and the local sewerage undertakers requirements.
- All in-situ concrete and precast concrete components to be manufactured using Sulphate Resisting Portland Cement (SRPC) to BS 4027, if required, subject to soil conditions. Manhole components to be to BS EN 1917:2002.
- All ironwork to be kite marked by BS1 or certified by equal inspection authority.
- All redundant connections to be capped off and grouted from the down stream manhole.
- All new drainage pipes to be jetted, CCTV surveyed with DVD recording and any defects highlighted to the supervising officer. Following the rectification of any defects, the drain is to be re-surveyed with CCTV and the recordings made available to the project manager/engineer.
- Prior to commencing the works the contractor is to confirm details of the existing drainage system as noted on the drawing.
- Prior to commencing the works the contractor is to undertake the drainage investigation work as noted on the drawing.
- All gravity sewers, lateral drains and rising main tolerances to be in accordance with DCG SSG appendix C section E5.9.

PO1 FIRST ISSUE	BM	JM	JM	06.03.2026
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Issue Status

S2 - FOR INFORMATION

This document is suitable only for the purpose noted above.
Use of this document for any other purpose is not permitted.

Client/Project Logo

Client/Project
NVB Architects

Abbeyfield School Expansion

Title

PROPOSED DRAINAGE LAYOUT
PHASE 1
SHEET 1 OF 2

Project No. 33181046	Scale 1:200
Revision PO1	Drawing No. 26CD07-STN-52-XX-D-C-7010

LEGEND - DRAINAGE

PROPOSED DRAINAGE - FOUL

- 1000@1:100
- FOUL WATER DRAIN - PVCu
Approx. gradient and diameter as noted, 100mm Ø UNO
 - FOUL WATER MANHOLE
PC Ring 1.2m Ø UNO
 - FOUL WATER INSPECTION CHAMBER
PVCu 450mm Ø. Max 1.2m depth - reduced access to 3.0m

Note: All internal foul MH's and IC's to have recessed covers. double sealed and locking to prevent odours. Refer to layout for location.

- RE
- FOUL WATER SHALLOW ACCESS CHAMBER
Max depth to invert 600mm from GL, 300mm Ø
 - FOUL RODDING EYE
Ø as noted
 - YG
 - FOUL YARD GULLY (to be trapped)
Gully reference as noted on drawing.
Cover grade to suit loading.
 - FD
 - FLOOR DRAIN (to be trapped)
Internal use only. refer to architect for details / specification.
Roddable from above slab into standard (01) fitting.
Floor Drain / Gully to be kept charged to avoid odours.
 - O1 & O1A
 - FOUL OUTLET / STACK POSITION
Shown indicative, refer to architect for setting out.
All branches 100mm Ø UNO.
O1 - Outlet connects into standard 90° rest bend.
O1A - Indicates access required in above slab plumbing for rodding, refer to service engineers drawings for details.
SVP - Indicates soil vent pipe by service engineer: with access.

PROPOSED DRAINAGE - STORM

- 1500@1:100
- STORM WATER DRAIN - PVCu
Approx. gradient and diameter as noted, 150mm Ø UNO
 - STORM WATER MANHOLE
PC Ring 1.2m Ø UNO
 - STORM WATER INSPECTION CHAMBER
PVCu 450mm Ø. Max 1.2m depth - reduced access to 3.0m
Connections over 150mm - chamber to be RANGE 600
 - STORM RODDING EYE
Ø as noted
 - SILT TRAP
 - CONCRETE ENCASEMENT TO PIPE
Refer to limits of cover table drawing 7101
 - O1 & O1A
 - RAIN WATER OUTLET
Shown indicative, refer to architect for setting out.
Refer to rainwater pipe details for branch Ø.
O1 - Outlet connects into standard 90° rest bend.
O1A - Indicates access required in above slab plumbing for rodding, refer to service engineers drawings for details.
 - AG
 - RAIN WATER OUTLET ACCESS GULLY
AG - Outlet connects to gully.
 - RG
 - ROAD GULLY (to be trapped)
 - YG
 - YARD GULLY (to be trapped)
 - PG
 - PAVED AREA GULLY (to be trapped)
 - DC
 - DRAINAGE CHANNEL
(Refer to layout for specification)
 - TH
 - THRESHOLD DRAINAGE CHANNEL
(Refer to architect for details / specification)

PUBLIC AND PRIVATE EXISTING/PROPOSED DRAINAGE

- 1500@1:100
- EXISTING PUBLIC FOUL SEWER
 - EXISTING PUBLIC STORM SEWER
 - EXISTING PUBLIC COMBINED SEWER
 - EXISTING PRIVATE FOUL SEWER
 - EXISTING PRIVATE STORM SEWER
 - PROPOSED PUBLIC STORM SEWER (BY OTHERS)
 - PROPOSED PUBLIC FOUL SEWER (BY OTHERS)

FOUNDATIONS

- INDICATES PIPE THROUGH FOUNDATION
- T.O.F.
0.000
TOP OF FOUNDATION (TYPICAL)

POROUS ASPHALT (SYSTEM C) - PP-02
TO BE LOCATED BENEATH HARDSTANDING.
PHASE 1 DRAINED AREA = 1613m²
PHASE 2 DRAINED AREA = 2268m²
PHASE 3 DRAINED AREA = 2491m²
SRP = 1 IN 100 YR + 45% CLIMATE CHANGE.
STORAGE PROVIDED IN OPEN GRADED CRUSHED ROCK (OGCR) TYPE 3 OR SIMILAR WITH MIN 30% VOIDS, 300mm DEEP.

POROUS ASPHALT (SYSTEM C) - PP-01
TO BE LOCATED BENEATH PARKING BAYS.
DRAINED AREA = 1360m²
SRP = 1 IN 100 YR + 45% CLIMATE CHANGE.
STORAGE PROVIDED IN OPEN GRADED CRUSHED ROCK (OGCR) TYPE 3 OR SIMILAR WITH MIN 30% VOIDS, 300mm DEEP.

FOR DETAILS OF CULVERT DRAINAGE
REFER TO DRAWINGS
C01554-HYD-01-ZZ-DR-C-7105 AND
C01554-HYD-01-ZZ-DR-C-7106
FOR FULL INFORMATION

NOTE: ALL RAIN GARDENS TO BE 0.5M DEEP
WITH 1:3 SLOPING SIDES.
TBC BY LANDSCAPE ARCHITECT.

LOCATION OF GULLYS
TBC.

LOCATION OF GULLYS
TBC.

FOR DETAILS OF CULVERT
DRAINAGE REFER TO DRAWINGS
C01554-HYD-01-ZZ-DR-C-7104 AND
C01554-HYD-01-ZZ-DR-C-7106
FOR FULL INFORMATION

DESIGN RISK
EXISTING DITCH TO BE SURVEYED
TO CONFIRM FEASIBILITY OF
PROPOSED LEVELS.

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